

XX 17-JAN-2001; 2001WO-US01354.
 PF 31-JAN-2000; 2000US-0179065.
 PR 04-FEB-2000; 2000US-0180628.
 PR 24-FEB-2000; 2000US-0184664.
 PR 02-MAR-2000; 2000US-0186350.
 PR 16-MAR-2000; 2000US-0189874.
 PR 17-MAR-2000; 2000US-0190076.
 PR 18-APR-2000; 2000US-0198123.
 PR 19-MAY-2000; 2000US-0205515.
 PR 07-JUN-2000; 2000US-0209467.
 PR 28-JUN-2000; 2000US-0214886.
 PR 30-JUN-2000; 2000US-0215135.
 PR 07-JUL-2000; 2000US-0216647.
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 PR 11-JUL-2000; 2000US-0217496.
 PR 14-JUL-2000; 2000US-0218290.
 PR 26-JUL-2000; 2000US-0220963.
 PR 26-JUL-2000; 2000US-0220964.
 PR 14-AUG-2000; 2000US-0224518.
 PR 14-AUG-2000; 2000US-0224519.
 PR 14-AUG-2000; 2000US-0225213.
 PR 14-AUG-2000; 2000US-0225214.
 PR 14-AUG-2000; 2000US-0225266.
 PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225268.
 PR 14-AUG-2000; 2000US-0225270.
 PR 14-AUG-2000; 2000US-0225447.
 PR 14-AUG-2000; 2000US-0225757.
 PR 14-AUG-2000; 2000US-0225758.
 PR 14-AUG-2000; 2000US-0225759.
 PR 18-AUG-2000; 2000US-0226279.
 PR 22-AUG-2000; 2000US-0226681.
 PR 22-AUG-2000; 2000US-0226686.
 PR 23-AUG-2000; 2000US-0227182.
 PR 30-AUG-2000; 2000US-0228924.
 PR 01-SEP-2000; 2000US-0229287.
 PR 01-SEP-2000; 2000US-0229343.
 PR 01-SEP-2000; 2000US-0229344.
 PR 01-SEP-2000; 2000US-0229345.
 PR 05-SEP-2000; 2000US-0229509.
 PR 05-SEP-2000; 2000US-0229513.
 PR 06-SEP-2000; 2000US-0230437.
 PR 08-SEP-2000; 2000US-0231242.
 PR 08-SEP-2000; 2000US-0231243.
 PR 08-SEP-2000; 2000US-0231244.
 PR 08-SEP-2000; 2000US-0231413.
 PR 08-SEP-2000; 2000US-0231414.
 PR 08-SEP-2000; 2000US-0232080.
 PR 12-SEP-2000; 2000US-0232081.
 PR 12-SEP-2000; 2000US-0231968.
 PR 14-SEP-2000; 2000US-0232397.
 PR 14-SEP-2000; 2000US-0232398.
 PR 14-SEP-2000; 2000US-0232399.
 PR 14-SEP-2000; 2000US-0232400.
 PR 14-SEP-2000; 2000US-0232401.
 PR 14-SEP-2000; 2000US-0233063.
 PR 14-SEP-2000; 2000US-0233064.
 PR 14-SEP-2000; 2000US-0233065.
 PR 21-SEP-2000; 2000US-0234223.
 PR 21-SEP-2000; 2000US-0234274.
 PR 25-SEP-2000; 2000US-0234997.
 PR 25-SEP-2000; 2000US-0234998.
 PR 26-SEP-2000; 2000US-0235484.
 PR 27-SEP-2000; 2000US-0235834.
 PR 27-SEP-2000; 2000US-0235836.
 PR 29-SEP-2000; 2000US-0236327.
 PR 29-SEP-2000; 2000US-0236367.
 PR 29-SEP-2000; 2000US-0236368.

PR 29-SEP-2000; 2000US-0236369.
 PR 29-SEP-2000; 2000US-0236370.
 PR 02-OCT-2000; 2000US-0236802.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 02-OCT-2000; 2000US-0237040.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241786.
 PR 20-OCT-2000; 2000US-0241787.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 20-OCT-2000; 2000US-0241826.
 PR 01-NOV-2000; 2000US-0244617.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246523.
 PR 08-NOV-2000; 2000US-0246524.
 PR 08-NOV-2000; 2000US-0246525.
 PR 08-NOV-2000; 2000US-0246526.
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 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246609.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246611.
 PR 08-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249209.
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 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249215.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249217.
 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249244.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249264.
 PR 17-NOV-2000; 2000US-0249265.
 PR 17-NOV-2000; 2000US-0249297.
 PR 17-NOV-2000; 2000US-0249299.
 PR 17-NOV-2000; 2000US-0249300.
 PR 01-DEC-2000; 2000US-0250160.
 PR 01-DEC-2000; 2000US-0250391.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251988.
 PR 05-DEC-2000; 2000US-0256719.
 PR 06-DEC-2000; 2000US-0251479.
 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251868.
 PR 08-DEC-2000; 2000US-0251869.
 PR 08-DEC-2000; 2000US-0251989.
 PR 08-DEC-2000; 2000US-0251990.
 PR 11-DEC-2000; 2000US-0254097.
 PR 05-JAN-2001; 2001US-0259678.
 (HUMA-) HUMAN GENOME SCI INC.
 PA
 XX
 PI Rosen CA, Barash SC, Ruben SM;
 XX WPI: 2001-483426/52.
 DR N-PSDB; AAK60866.

[illegible]

OY			482	ACATGGAAAGAGGCGCTGGTATATCGGGCTCTGGAGAAAGAGTGGTATCTCTCT	541
Db			107	TTTTTTPySGluAArgLeuValITLeaArgAlaLeuIuAsnArgValIGlyIleTyrSerPro	126
OY			542	CATCAGCGCTTGTAGTGTGCGCCCGCCAGGCGCTCAACAAGTCGTGGCTTAAGGCTTGA	601
Db			127	HisThrIaIaTyrAArgPAlaAlaProGInGlyAlaIAsnIAsnTrpLeuAlaIaLysGlyLeuGly	146
OY			602	GCTTGACCTCCAGGCCCATACATCCCTTSCCAAAAGCTSCCAACTCCCTACAGAGGAAAC	661
Db			147	AlaCysTrpSerArgProIleHisProSerTyrAlaProAsnIYrProThrGInGlyAsn	166
OY			662	CACCGAGTAAATTCACAGCTTAACCTATACACCACCAACCTGGACAAAGTCAATGTCTGCAGTG	721
Db			167	HisArgValIGlyIuPheAsnValAsnIYrThrGInIAsnIAsnArgLysValIAsnSerAlaVal	186
OY			722	AAAGGAATTCAGCGGTGTTTCTGTCACTTCTTTTCTGTCTAGACCTGGTATGAGGAACAA	781
Db			187	LysGlyIleAspGlyValSerValIThrSerPheSerAlaArgTrpGInLysGInIuGIn	206
OY			782	ACACGGATTAATCTGAATTGTACACGAAGGCTTGATGACGAGGGGTGATTTCTTCTCC	841
Db			207	ThrArgIleAsnIleAsnCysTrpGInLysAlaLeuMetGInValValAspPheLeuSer	226
OY			842	CGGACCAACAACCTTTATTCAGAAAGACGGAATTTCTGTCACTGAGAACCTTTGCTCTGA	901
Db			227	ArgAsnIysGInIuLeuTyrGInIuYsThrGInIuIleLeuSerIeGInLysProIuLeuLeu	246
OY			902	CATACGTGAATGGAGCGGTATATGCACACCTGCATGATGTGTCTCCCTGGCAACATGATT	961
Db			247	HisTrpGInLysMetGlyArgLeuCysTrpThrLeuAspGInSerValSerIleuAlaIaThrMetIle	266
OY			962	GATCGAATTAATAAGACACCTTAATAATCTGATATGCTATATGCTTGAAGCTTGGGGTGGGAGA	1021
Db			267	AspArgIleLysArgHisIleuLysLeuSerHisIleArgLeuAlaIeugIGlyValGlyArg	286
OY			1022	ACCTTAGAGTCTCAAGTCAAAAGTCTGGCGCCTGTGCTGTGCTGTCTGGGAGACAGCTTCTG	1081
Db			287	ThrIeugIuSerGInValIaLysValValAlaIeugCysAlaGlySerGlySerSerValIeug	306
OY			1082	CAGGGTGTGGAGCTGACCTTTACCTSCACAGGTGAATGATGCCATGATGACTTTGGAT	1141
Db			307	GInGlyValIGluAlaAspIeuTyrIleuTrpGInGlyIuMetSerHisIAspIleIeugAsp	326
OY			1142	GCTGCTTCCCAAGGAATAATGTCTATCCCTGTGTGAACAGCAACAGTGAACGAGGCTTT	1201
Db			327	AlaAlaIaSerGInGlyIleAsnValIleIeugCysGInIuIAsnSerAspThrGInArgIuPhe	346
OY			1202	CTTTCTGACCTTCGAGATATGCTGTGATTTCTCACTTGGAGATTAAGATTAATTTATCTGA	1261
Db			347	LeuSerAspIeuAlaArgPheMetIeugAspSerHisIeugIuAsnIYrIleAsnIleIleu	366
OY			1262	TCAGAGACTGACAGGAGCCCTTTCAGGTGTA	1294
Db			367	SerGluThrAspArgAspProIeugIuVal	377
RESULT 3					
AAAG81361	ID				
AAAG81361	standard; Protein; 350 AA.				
XX	AAAG81361;				
XX	10-SEP-2001 (first entry)				
DE	Human AFP protein sequence SEQ ID NO.240.				
XX	Human AFP protein; secretion; bacterial cell; fungal cell;				
KW	eukaryotic cell; fusion protein; maltose binding protein;				
KW	immunoglobulin constant region; polyhistidine tag.				
XX	Homo sapiens.				
OS	Homo sapiens.				
XX	WO200129221-A2.				
PN					

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XX 26-APR-2001.
PD 20-OCT-2000; 2000MO-US29052.
XX 20-OCT-1999; 99US-0160712.
PR 20-OCT-1999; 99US-0160712.
XX (ZYMO) ZYMOGENETICS INC.
PA Conklin DC, Yee DP;
PI NPI; 2001-300340/31.
DR N-PSDB; AAH52212.
XX Isolated polypeptide for directing secretion of proteins of interest
PT from a host cell including, e.g. bacteria, includes contiguous amino
XX acid residues of polypeptide with specified amino acids
PS Claim 1; Page 424-425; 617pp; English.
XX
XX AAH52093 to AAH52303 encode the human secreted proteins given in AAH5242
XX to AAH52153. The secreted proteins can be used for directing the
XX secretion of proteins of interest from a host cell including bacteria,
XX fungal cells, and cultured higher eukaryotic cells. The present invention
XX also describes fusion proteins, where a secreted protein of the invention
XX is operably linked via a peptide bond or peptide linker to a second
XX protein selected from the group consisting of maltose binding protein,
XX an immunoglobulin constant region, a polystyidine tag and a peptide
XX given in AAH52153.
XX
XX Sequence 350 AA;
XX
XX Alignment Scores:
XX Pred. No.: 3,36e-171 Length: 350
XX Score: 1799.00 Matches: 350
XX Percent Similarity: 100.00% Conservative: 0
XX Best Local Similarity: 100.00% Mismatches: 0
XX Query Match: 64.50% Indels: 0
XX DB: 22 Gaps: 0
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US-09-745-506-74 (1-1553) x AAH81361 (1-350)
OY 245 ATGGATTGGAAGGCTCTCTTCTTCCTGTAATGACTTTCGATCCCTCTGTTTGTGATG 304
DB 1 MetaspseudulysalaleuleuserSerleuasnaphelaSerleuSerphenalaglu 20
OY 305 AGTTGGACATGTTGGATTACTGTTGGAACCAAGCCACACATCTGTAATATACACTC 364
DB 21 SerTTPAspAsnValGlyLeuLeuValGluProSerProPronHisThrValAsnThrLeu 40
OY 365 TTGCTGACCAATGACCGACTGAGGAGTATGAGAGAGAGTGGTGGCAAAAGAGCGAC 424
DB 41 PhenleuthraspseudulysalaleuleuserSerleuasnaphelaSerleuSerphenalaglu 60
OY 425 CTCATCTCTCTACATCCGCTATCTTCCGACCCATGAGAGCGATTAACCTGGAGACA 484
DB 61 LeuileuserlyrhisproProllePhenargProketylSarglilethITTPAsnThr 80
OY 485 TGAAGAGCGCGCTGGTATCGCGGCTGTGAGAACAGAGTCCGATCTACTCTCTCAT 544
DB 81 TrpLysGluArgLeuValIleArgAlaLeuGluAsnArgValGlyIleTySerProHis 100
OY 545 ACAGCCATGATGCTGGCGCCGAGGGGTGAACAAGTGGTGAAGGCTTGGAGCT 604
DB 101 ThrAlaIyAspAlaAlaProGlnGlyValAsnAsnTrpLeuAlaIySGlyLeuGlyAla 120
OY 605 TGTACTCCAGCGCCATACATCTCTCCAAAGTCCCAACTACCTACAGAGGAGAACAC 664
DB 121 CysThrSerArgProIleHisProSerLeuAlaProAsnTrpProthGlnGlyAsnHis 140
OY 665 CGAGTACATTCACAGCTTAACCTACACCCAGACCTGGACAAAGTCACTGTGTCAGTAAA 724
DB 141 ArgValGluIupheAsnValAsnTyThrGlnAspLeuAspLysValMetSerAlaValLys 160

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OY 725 GGATTCACGGTGTCTTCTGTCACCTCTTTCTTCCTGAGACGTGATATGAGAACANACA 784
DB 161 GlyIleAspGlyValSerValThrSerPheSerIlaArgThrGlyAsnGlnGluGlnThr 180
OY 785 CGGATTATATGATTTGATCTACAGAGGCTTTCAGAGGTGATGATTTCTTCCCGG 844
DB 181 ArgIleAsnLeuAsnCysThrGlnLysAlaLeuMetGlnValValAspPheLeuSerArg 200
OY 845 AACAAACAACTTATTCAGAAAGACGGAATTCCTGTCTACCTGAGAGAACCTTGTCTACAT 904
DB 201 AsnLysGlnLeuTyrglnLysThrGluIleLeuSerLeuGlnLysProLeuLeuHis 220
OY 905 ACTGGAATGGAGCGCTTATGACACATCGAGTCAATCTGTCCCTGGAGAACATGATGAT 964
DB 221 ThrIleMetGlnTyArgLeuCysThrLeuAspGlnSerValSerLeuAlaThrMetIleAsp 240
OY 965 CGAATAAAAGACACCTAAACATATTCATATTCCTTACGCCCTTGGGGTGGGAGAAC 1024
DB 241 ArgIleLysArgHisLeuLysLeuSerHisIleArgLeuAlaLeuGlyValArgThr 260
OY 1025 TTAGAGTCTCAAGTCAAAAGTCTGGCCCTGTGCTGTCTGGAGCAGCGTTCTCAG 1084
DB 261 LeuGlnSerGlnValLysValAlaIleAlaLeuCysAlaGlySerGlySerValLeuGln 280
OY 1085 GGTGTGAGCGCTGACCTTTTACCTTCACAGTGAGATGCCATCATGATACTTTGGATGCT 1144
DB 281 GlyValGlnIleAlaAspLeuTyrglnLeuThrGlyGlnMetSerHisAspThrLeuAspAla 300
OY 1145 GCTTCCCAAGAAATTAATGTCATCTCTGTGACACAGACAACTGAAAGAGCGTTCTT 1204
DB 301 AlaSerGlnGlyIleAsnValIleLeuCysGlnHisSerAsnThrGlnArgGlyPheLeu 320
OY 1205 TCTGACCTTGAGATATGCTGGATTCCTGACTTGGAGAAATTAATTAATTAATCA 1264
DB 321 SeraspLeuArgAspMetLeuAspSerHisLeuGlnLysIleAsnIleIleLeuSer 340
OY 1265 GAGACGTACAGGAGCGCTTTCAGAGTGTA 1294
DB 341 GluThrAspArgAspProLeuGlnValVal 350

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RESULT 4
AAB94573
ID AAB94573 standard; Protein: 350 AA.
AC AAB94573;
XX 26-JUN-2001 (first entry)
DB Human protein sequence SEQ ID NO:15360.
XX Human; primer: detection; diagnosis; antisense therapy; gene therapy.
XX Homo sapiens.
XX EPI074617-A2.
XX 07-FEB-2001.
XX 28-JUL-2000; 2000EP-0116126.
XX 29-JUL-1999; 99JP-0248036.
XX 27-AUG-1999; 99JP-0300253.
XX 11-JAN-2000; 2000JP-0118776.
XX 02-MAY-2000; 2000JP-0183767.
XX 09-JUN-2000; 2000JP-0241899.
XX (HELI-) HELIX RES INST.
XX Oca T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;
XX Ishii S, Sugiyama T, Wakamatsu A, Negai K, Otsuki T;
XX WPI; 2001-318749/34.

US-09-745-506-74 (1-1553) x ABB08182 (1-247)

QY 552 ATGATGCTGGCCCAAGGCGGTCAACACTGTTGGCTAAAGGCTTGAGCTTGTACCT 611
 |||||
 Db 1 MetMetLeuArgProArgAlaSerThrThrGlyTyrLeuLysGlyLeuValPro 20
 QY 612 CCGAGCCCAATACATCTCTCCAAAGCTCCCACTACCTACAGAGGAAACACCGAGTAG 671
 |||||
 Db 21 ProGly-HistHsrPheGln-AlaProAsnProTyrArgGlyThrHisArgValG 40
 QY 672 AATTCAACGTTAATCACTACCAAGACCTGGACAAGATGTCGTGCGTAAAGGAAATG 731
 |||||
 Db 40 IupheAsnValaIleTyrThrGlnAspLeuAspLysValMetSerAlaValLysGlyIleA 60
 QY 732 ACGGTGTTCTGTCACCTCTTTTCTGTCAGAGCTGTAATGAGAAACAACGAGTTA 791
 |||||
 Db 60 spGlyValSerValThrSerPheSerAlaArgThrGlyAsnGluGluGlnThrArgIleA 80
 QY 792 ATCTGAATTTACTCAGAGGCTTTGATGAGGTGGTGAATTTTCTCCCGAACAAC 851
 |||||
 Db 80 snLeuAsnCysThrGlnLysAlaLeuMetGlnValValaAspPheLeuSerArgAsnLysG 100
 QY 852 AACTTATCAGAGAGAGGAAATTCCTGCTGAGTGGAGAGACCTTGTCTTACATACGGA 911
 |||||
 Db 100 IuLeuTyrGlnLysThrGlnIleLeuSerLeuGlnLysProLeuLeuHisThrGlyM 120
 QY 912 TGGGACGCTTATGCACACTGATGATGATCTGTCTCCCGCAACCATGATGATGAATA 971
 |||||
 Db 120 etGlyArgLeuCysThrLeuAspLysSerValSerValIleThrMetIleAspArgIleL 140
 QY 972 AAAGACACCTTAAACTTTCATATTCGTTAGCCCTTGGGGTGGGAGAAACCTTAAGT 1031
 |||||
 Db 140 ysArgHisLeuLysLeuSerHisIleArgLeuAlaLeuGlyValGlyArgThrLeuLus 160
 QY 1032 CTGAAGCAAAAGTCGTGGCCCTGTGCTGCTGTTGCGAGACAGCGTCTCGAGGGTGTG 1091
 |||||
 Db 160 etGlnValLysValValAlaLeuCysAlaGlySerGlySerValLeuGlnGlyValG 180
 QY 1092 AGCGTACCTTTTACCTCAGAGTGATGTCCTCATCATGATATCTTGGATGCTCTCC 1151
 |||||
 Db 180 IuAlaAspLeuTyrLeuThrGlyGlyIuMetSerHisIleAspThrLeuAspAlaIleAspG 200
 QY 1152 AAGGAATAAATGTCATCTCTGTGACACAGCAACACTGAAACGAGGGTTCTTCTGACC 1211
 |||||
 Db 200 IuGlyIleAsnValIleLeuCysGlnHisSerAsnThrGlnArgGlyPheLeuSerSPL 220
 QY 1212 TTGAGATATGCTGGATTTCTCACTTGGAGATAAGATAAATATTTATCTATCAGAGACTG 1271
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 Db 220 euArgAspMetLeuAspSerHisLeuGluAsnLysIleAsnIleIleLeuSerGluThrA 240
 QY 1272 ACAGGACCTCTTCAGGTGCTA 1294
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 Db 240 spArgAspProLeuGlnValVal 247
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 RESULT 7
 AAU27916
 ID AAU27916 standard; Protein: 146 AA.
 XX
 AC AAU27916;
 XX
 DT 18-DEC-2001 (first entry)
 DE Human contig polypeptide sequence #69.
 DE
 XX Mammal; human; rhesus monkey; baker's yeast; fission yeast; Norway rat;
 KW mouse; Chinese hamster; African clawed frog; fruit fly; dog; leukaemia;
 KW cancer; lymphoma; neuroblastoma; autoimmune disorder; cell proliferation;
 KW nervous system disorder; inflammatory disorder; cell differentiation;
 KW angiogenesis; stem cell growth factor; activin; inhibin; cartilage; burn;
 KW genetic disorder; bone regeneration; tendon; ligament; tissue repair;
 KW cytoskeletal; antirheumatic; antiarthritic; vulnary; antiinflammatory;
 KW antibacterial; immunosuppressive; vasotropic; antiparkinsonian;
 KW neuroprotective; osteopathic; antidiabetic; antiasthmatic; antiallergic;

KW Immunostimulant; analgesic; gene therapy.
 XX
 OS Homo sapiens.
 OS Synthetic.
 XX
 PN WO200164834-A2.
 XX
 PD 07-SEP-2001.
 XX
 PF 26-FEB-2001; 2001WO-US04926.
 XX
 PR 28-FEB-2000; 2000US-0515126.
 PR 18-MAY-2000; 2000US-0577409.
 PR 17-JUN-2000; 2000US-0597707.
 PR 14-JUL-2000; 2000US-0616807.
 PR 19-SEP-2000; 2000US-0664641.
 XX
 PA (HYSE-) HYSEQ INC.
 XX
 PI Tang YT, Liu C, Zhou P, Asundi V, Zhang J, Zhao QA, Ren F;
 PI Xue AJ, Yang Y, Wehrman T, Wang J, Ma Y, Wang D, Chen R, Xu C;
 PI Drmanac R;
 XX
 DR WPI: 2001-589862/66.
 DR N-PSDB; AAS44816.
 XX
 PT Novel polypeptides and nucleic acids obtained from cDNA libraries
 PT prepared from various human tissues, for diagnosis, treatment of
 PT cancer, neurological, inflammatory disorders and for use in arrays for
 PT detection
 XX
 PS Claim 10; Page 132; 153pp; English.
 XX
 CC Sequences AAU27676-AAU28019 represent full-length polypeptides and
 CC contig polypeptides of the invention. The proteins and their associated
 CC DNA sequences are useful for the treatment, diagnosis and prevention of
 CC various types of disorder in a mammalian subject such as a human, dog,
 CC monkey, mouse, hamster or rat. The disorders include cancers such as
 CC leukemia, lymphoma and neuroblastoma, autoimmune disorders such as
 CC multiple sclerosis, connective tissue disease, rheumatoid arthritis,
 CC diabetes mellitus, allergic rhinitis, asthma and eczema, nervous system
 CC disorders such as Parkinson's disease, Alzheimer's disease, Huntington's
 CC chorea, amyotrophic lateral sclerosis, spinal muscular atrophy and
 CC Wernicke disease, inflammatory disorders such as nephritis, Crohn's
 CC disease, ischaemia-reperfusion injury, shock, sepsis and inflammatory
 CC bowel disease. The sequences exhibit activity relating to angiogenesis,
 CC cell proliferation, cell differentiation, stem cell growth factor,
 CC activin or inhibin. Therefore, they can be used to manipulate stem cells
 CC in culture to give rise to neuroepithelial cells that can be used to
 CC augment or replace cells damaged by illness, accidental damage or genetic
 CC disorders. The sequences may also be used for regeneration of bone,
 CC cartilage, tendons and ligaments and in tissue repair and burn healing.
 CC Note: Some sequences for this patent did not form part of the printed
 CC specification, but were obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pcr_sequences.
 XX
 SQ Sequence 146 AA;
 XX
 Alignment Scores:
 Pred. No.: 5,1e-51 Length: 146
 Score: 599.00 Matches: 114
 Percent Similarity: 94.53% Conservative: 7
 Best Local Similarity: 89.06% Mismatches: 7
 Query Match: 21.48% Indels: 0
 DB: 22 Gaps: 0
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 QY 206 TTGTGATTCCTCGATGTCGAATTTCTCCGCTTCACTGATGATTTGAAGCTCTCCTT 265
 |||||
 Db 19 PheValaAspSerLeuIleCysAsnSerArgAlaPheMetAspTPArgAlaLeuLeu 38
 |||||
 QY 266 TCTTCCTTGATGACTTTGATCCCTCTCGTTGCTGAGAGTGGAGCAAGTTGATTA 325
 |||||

Db 221 AsnaSnThrValLeuLeuCysAsnHisSerAsnSerGluArgGlyPheLeuHisGlu 240
 QY 1211 CTCGAGATATGCTGATTCCTACTGTGAGATAATATTAATTCATTCAGAGACT 1270
 Db 241 PheCysProIleLeuAlaIleSerLeuAsnIleGluCysLeuValPheValSerIleVal 260
 QY 1271 GACAGGAGCCCTCTTCAGGTGTA 1294
 Db 261 AsplysAspProLeuValThrVal 268
 RESULT 9
 ID ABG20985 standard; Protein; 110 AA.
 AC ABG20985;
 DE 18-FEB-2002 (first entry)
 DE Novel human diagnostic protein #20976.
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;
 KW food supplement; medical imaging; diagnostic; genetic disorder.
 OS Homo sapiens.
 XX WO200175067-A2.
 PN 11-OCT-2001.
 PD 30-MAR-2001; 2001WO-US08631.
 PE 31-MAR-2000; 2000US-0540217.
 PR 23-AUG-2000; 2000US-0649167.
 XX (HYSE-) HYSEQ INC.
 PA Dmanac RT, Liu C, Tang YT;
 PI WPI; 2001-639362/73.
 DR N-PSDB; AAS85172.
 XX New isolated polynucleotide and encoded polypeptides, useful in
 PT diagnostics, forensics, gene mapping, identification of mutations
 PT responsible for genetic disorders or other traits and to assess
 PT biodiversity -
 PS Claim 20; SEQ ID No 51344; 103bp; English.
 XX The invention relates to isolated polynucleotide (I) and
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
 CC and gene mapping, and in recombinant production of (II). The
 CC polynucleotides are also used in diagnostics as expressed sequence tags
 CC for identifying expressed genes. (I) is useful in gene therapy techniques
 CC to restore normal activity of (II) or to treat disease states involving
 CC (II). (II) is useful for generating antibodies against it, detecting or
 CC quantitating a polypeptide in tissue, as molecular weight markers and as
 CC a food supplement. (II) and its binding partners are useful in medical
 CC imaging of sites expressing (II). (I) and (II) are useful for treating
 CC disorders involving aberrant protein expression or biological activity.
 CC The polypeptide and polynucleotide sequences have applications in
 CC diagnostics, forensics, gene mapping, identification of mutations
 CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. ABG00010-ABG30377 represent novel human
 CC diagnostic amino acid sequences of the invention.
 CC Note: The sequence data for this patent did not appear in the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX Sequence 110 AA.
 SO

Pred. No.: 5.82e-43 Length: 110
 Score: 518.00 Matches: 108
 Percent Similarity: 99.08% Conservative: 0
 Best Local Similarity: 99.08% Mismatches: 1
 Query Match: 18.57% Indels: 1
 DB: 22 Gaps: 0
 US-09-745-506-74 (1-1553) x ABG20985 (1-110)
 QY 764 ACTGGTATGAGGAGCAACACGAGTTAATCTGAATTCATCGAAGCCTTGATGAG 823
 Db 2 ThrGlyAsnGluGluGlnThrArgIleAsnLeuAsnCysThrGlnLysAlaLeuMetGln 21
 QY 824 GTGGTAGATTTCTTCCCGGAGCAACAACTTTATCAGAGAGGAAATTCGTCACTG 883
 Db 22 ValValAspPheLeuSerArgAsnLysGlnLeuYrGlnLysThrGlnIleLeuSerLeu 41
 QY 884 GAGAAACCTTGTCTTCACTACATCTGGAATGGAGCGTTATGCACACTGGATGATCTGTC 943
 Db 42 GluLysProLeuLeuLeuHisThrGlyMetGlyArgLeuCysThrLeuAspGluSerVal 61
 QY 944 TCCCTGGCACCATGATGATCGAATAAAGACACCTAAACTATCTCATATTCGCTTA 1003
 Db 62 SerLeuAlaThrMetIleAspArgIleLysArgHisLeuLysLeuSerHisIleArgLeu 81
 QY 1004 GCCCTGGGGTGGGAGAACCTTAGAGTCTCAAGTCAAAAGTCGGCCCTGTGCTGGT 1063
 Db 82 AlaLeuGlyValGlyArgThrLeuGluSerGlnValLysValAlaLeuCysAlaIle 101
 QY 1064 TCTGGGAG-CAGCGTCTGCAGGCTGT 1089
 Db 102 SerGlyGluGlnArgSerAlaGlyCys 110
 RESULT 10
 ID ABG52473 standard; Peptide; 68 AA.
 XX ABG52473;
 AC 25-FEB-2003 (first entry)
 DE Human liver peptide, SEQ ID No 31121.
 DE Human; liver; cirrhosis; hyperlipoproteinaemia; hyperlipidaemia;
 KW hypercholesterolaemia; coronary heart disease.
 XX Homo sapiens.
 OS WO200157273-A2.
 PN 30-JAN-2001; 2001WO-US00664.
 PD 09-AUG-2001.
 XX 30-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0236359.
 PR 04-OCT-2000; 2000GB-0024263.
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 PI Penn SG, Hanzel DK, Chen W, Rank DR;
 DR WPI; 2001-488898/53.
 XX Human genome-derived single exon nucleic acid probes useful for
 PT analysing gene expression in human adult liver -
 PS Claim 27; SEQ ID No 31121; 658bp; English.
 XX

Alignment Scores:

CC The invention relates to a single exon nucleic acid probe (SENP) (I) for
CC measuring human gene expression in a sample derived from human adult
CC liver, comprising one of 13109 defined nucleotide sequences given in the
CC specification (or complements/ fragments). The probe hybridises at high
CC stringency to a nucleic acid molecule expressed in the human adult
CC liver. (I) may be used for predicting, measuring and displaying gene
CC expression in samples derived from human adult liver. The genes
CC identified may be involved in genetic liver diseases such as cirrhosis,
CC hyperlipoproteinaemia, hyperlipidaemia and hypercholesterolaemia which
CC is associated with coronary heart disease. ABG47348-ABG59930 represent
CC human liver single exon encoded peptides of the invention.
CC Note: The sequence information for this patent does not appear in the
CC printed specification but was obtained in electronic format directly
CC from WIPO at ftp.wipo.int/pub/published_pct_sequences.

XX Sequence 68 AA;

SO Alignment Scores:

Pred. No.:	7.91e-28	Length:	68
Score:	366.00	Matches:	68
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.12%	Indels:	0
DB:	22	Gaps:	0

US-09-745-506-74 (1-1553) x ABG52473 (1-68)

OY 395 ATGGAGAGAGTCTGCAAAAGAGGACGACCTATCTCTCCTACCTCCGCTATCTTC 454

DB 1 MetGIUGluValIleuGlnLysLysAlaAspLeuIleuSerYrHisProProlIephe 20

OY 455 CGACCCATGAGCGCATACCTGGAACACATGAGAGAGCGCTGTGATCCGGGCTCTG 514

DB 21 ArgPrometLysArgIleThrTrpAsnThrTyrPylGluArgValIleArgAlaLeu 40

OY 515 GAGAACAGAGTGGTATCTACTCTCTCATACAGCCTATGATGCTGGCCGAGGCGTC 574

DB 41 GluAsnArgValGlyIleYrSerProHisThrAlaTyrAspAlaIleProGlnGlyVal 60

OY 575 AACAACTGGTGGCTAAAGGCTT 598

DB 61 AsnAsnTrpLeuAlaLysGlyLeu 68

RESULT 11

ABR32385

ID ABR32385 standard; Peptide: 68 AA.

XX ABR32385;

DT 01-FEB-2002 (first entry)

XX Peptide #5036 encoded by breast cell single exon nucleic acid probe.

XX Human; microarray; single exon probe; gene expression; breast;

XX disease; cancer.

XX Homo sapiens.

XX WO200157271-A2.

XX 09-AUG-2001.

XX 30-JAN-2001; 2001WO-US00662.

XX 04-FEB-2000; 2000US-0180312.

XX 26-MAY-2000; 2000US-0207456.

XX 30-JUN-2000; 2000US-0608408.

XX 03-AUG-2000; 2000US-0632466.

XX 21-SEP-2000; 2000US-0234687.

XX 27-SEP-2000; 2000US-0236359.

XX 04-OCT-2000; 2000GB-0024263.

XX (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;
XX WPI; 2001-496933/54.

XX New spatially-addressable set of single exon nucleic acid probes,
XX useful for measuring gene expression in sample derived from human
XX breast, comprises number of single exon nucleic acid probes -

XX Claim 27; SEQ ID NO 15353; 327pp + sequence listing; English.

XX The invention relates to a spatially-addressable set of single exon
XX nucleic acid probes for measuring gene expression in a sample derived
XX from human breast and BT 474 cells. The method involves contacting
XX the probes with a collection of detectably labelled nucleic acids
XX derived from mRNA of human breast, and then measuring the label
XX bound to each probe of the microarray. The probes are useful for
XX verifying the expression of regions of genomic DNA predicted to
XX encode proteins. They are useful for gene discovery, and for
XX determining predisposition and/or prognosing breast disease. Gene
XX expression analysis is useful for assessing the toxicity of chemical
XX agents on cells. The microarray of this invention presents a far greater
XX diversity of probes for measuring gene expression, with far less bias
XX than expressed sequence tag microarrays. The method is suitable for
XX rapid production of functional information from genomic sequence. The
XX present sequence is a peptide encoded by a single exon nucleic acid
XX probe of the invention.
XX Note: The sequence data for this patent did not form part of the
XX printed specification, but was obtained in electronic format directly
XX from WIPO at ftp.wipo.int/pub/published_pct_sequences.

SO Sequence 68 AA;

Alignment Scores:			
Pred. No.:	7.91e-28	Length:	68
Score:	366.00	Matches:	68
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.12%	Indels:	0
DB:	22	Gaps:	0

US-09-745-506-74 (1-1553) x ABR32385 (1-68)

OY 395 ATGGAGAGAGTCTGCAAAAGAGGACGACCTATCTCTCCTACCTCCGCTATCTTC 454

DB 1 MetGIUGluValIleuGlnLysLysAlaAspLeuIleuSerYrHisProProlIephe 20

OY 455 CGACCCATGAGCGCATACCTGGAACACATGAGAGAGCGCTGTGATCCGGGCTCTG 514

DB 21 ArgPrometLysArgIleThrTrpAsnThrTyrPylGluArgValIleArgAlaLeu 40

OY 515 GAGAACAGAGTGGTATCTACTCTCTCATACAGCCTATGATGCTGGCCGAGGCGTC 574

DB 41 GluAsnArgValGlyIleYrSerProHisThrAlaTyrAspAlaIleProGlnGlyVal 60

OY 575 AACAACTGGTGGCTAAAGGCTT 598

DB 61 AsnAsnTrpLeuAlaLysGlyLeu 68

RESULT 12

ABR37667

ID ABR37667 standard; Peptide: 68 AA.

XX ABR37667;

DT 04-FEB-2002 (first entry)

XX Peptide #5173 encoded by human foetal liver single exon probe.

XX Human; foetal liver; gene expression; single exon nucleic acid probe.

XX Homo sapiens.

XX OS

XX

PN W0200157277-A2.
XX
XX 09-AUG-2001.
XX
XX 30-JAN-2001; 2001WO-US00669.
XX
XX 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
XX (MOLE-) MOLECULAR DYNAMICS INC.
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX WPI; 2001-483447/52.
DR
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human fetal liver -
XX
XX Claim 27; SEQ ID NO 30302; 639pp + sequence listing; English.
PS
XX The invention relates to a single exon nucleic acid probe for
CC measuring human gene expression in a sample derived from human foetal
CC liver. The single exon nucleic acid probes may be used for predicting,
CC measuring and displaying gene expression in samples derived from human
CC fetal liver. The present sequence is a peptide encoded by a single exon
CC nucleic acid probe of the invention.
CC Note: The sequence data for this patent did not form part of the
CC printed specification, but was obtained in electronic format directly
CC from WIPO at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 68 AA:

Alignment Scores:
Pred. No.: 7.91e-28 Length: 68
Score: 366.00 Matches: 68
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.12% Indels: 0
Gaps: 0

US-09-745-506-74 (1-1553) x ABB37667 (1-68)
OY 395 ATGAGAGAGTGTGCAAAAGAGCAGACCTCATCTCTCTACCATCGGCTATCTC 454
DB 1 MetGluGluValLeuGlnLysLysAlaAspLeuIleuSerTyrHisProProlIlePhe 20
OY 455 CGACCCATGAAGCGCATACCTGGAACACATGAGAGAGCGCGCTGGTATCGGGCTCTG 514
DB 21 ArgProMetLysArgIleThrTyrPasnThrTyrPylsGluArgLeuValIleArgAlaLeu 40
OY 515 GAGACAGAGTCGGTATCTACTCTCTCATACAGCTTATGATGCTGCGCCCGAGGCGCTC 574
DB 41 GluAsnArgValAlaGlyIleTyrSerProHisThrAlaTyrAspAlaAlaProGlnIleVal 60
OY 575 AACAACTGGTGGCTAAAGGCTT 598
DB 61 AsnAsnTrpLeuAlaLysGlyLeu 68

RESULT 13
AAM58295
ID AAM58295 standard; Protein: 68 AA.
XX
XX AAM58295;
AC
XX 05-NOV-2001 (first entry)
DT
XX Human brain expressed single exon probe encoded protein SEQ ID NO: 30400.
DE
XX

KW Human: brain expressed exon; gene expression analysis; probe;
KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;
KW epilepsy; cancer.
XX
XX Homo sapiens.
XX
XX W0200157275-A2.
XX
XX 09-AUG-2001.
XX
XX 30-JAN-2001; 2001WO-US00667.
XX
XX 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
XX (MOLE-) MOLECULAR DYNAMICS INC.
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX WPI; 2001-483446/52.
DR
XX Single exon nucleic acid probes for analyzing gene expression in human
PT brains -
XX
XX Example 4; SEQ ID NO: 30400; 650pp + sequence listing; English.
PS
XX The present invention provides a number of single exon nucleic acid
CC probes which are derived from genomic sequences expressed in the human
CC brain. They can be used to measure gene expression in brain cell samples,
CC which may enable the diagnosis and improved treatment of nervous system
CC diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,
CC epilepsy and cancers. The present sequence is a protein encoded by one of
CC the probes of the invention.
XX
XX
SQ Sequence 68 AA:

Alignment Scores:
Pred. No.: 7.91e-28 Length: 68
Score: 366.00 Matches: 68
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.12% Indels: 0
Gaps: 0

US-09-745-506-74 (1-1553) x AAM58295 (1-68)
OY 395 ATGAGAGAGTGTGCAAAAGAGCAGACCTCATCTCTCTACCATCGGCTATCTC 454
DB 1 MetGluGluValLeuGlnLysLysAlaAspLeuIleuSerTyrHisProProlIlePhe 20
OY 455 CGACCCATGAAGCGCATACCTGGAACACATGAGAGAGCGCGCTGGTATCGGGCTCTG 514
DB 21 ArgProMetLysArgIleThrTyrPasnThrTyrPylsGluArgLeuValIleArgAlaLeu 40
OY 515 GAGACAGAGTCGGTATCTACTCTCTCATACAGCTTATGATGCTGCGCCCGAGGCGCTC 574
DB 41 GluAsnArgValAlaGlyIleTyrSerProHisThrAlaTyrAspAlaAlaProGlnIleVal 60
OY 575 AACAACTGGTGGCTAAAGGCTT 598
DB 61 AsnAsnTrpLeuAlaLysGlyLeu 68

RESULT 14
AAM18609
ID AAM18609 standard; Protein: 68 AA.
XX
XX AAM18609;
AC
XX

DT 12-OCT-2001 (first entry)
XX
DE Peptide #5043 encoded by probe for measuring cervical gene expression.
XX
KW Probe: human; microarray; gene expression; cervical epithelial cell;
KM cervical cancer.
XX
OS Homo sapiens.
XX
PN WO200157278-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001MO-US00670.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI; 2001-488901/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human cervical epithelial cells -
XX
PS Claim 27; SEQ ID NO 23435; 487pp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
CC (SEN; see AAI10068-AA128459). The present sequence is a peptide encoded
CC by one such probe. The SENs are derived from human HeLa cells. The SENs
CC can be used to produce a single exon microarray, which can be used for
CC measuring human gene expression in a sample derived from human cervical
CC epithelial cells. By measuring gene expression, the probes are therefore
CC useful in grading and/or staging of diseases of the cervix, notably
CC cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 68 AA;
XX
Alignment Scores:
Pred. No.: 7.91e-28 Length: 68
Score: 366.00 Matches: 68
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.12% Indels: 0
DB: 22 Gaps: 0
XX
US-09-745-506-74 (1-1553) x AAM18609 (1-68)
QY 395 ATGGAGAGGAGTGTGCAAAAGAGGAGACCTGATCTCTCTACATCCGCGCTATCTTC 454
Db 1 MetGluGluValIleuGlnLysLysAlaAspLeuIleuSerTyrHisProPhe 20
QY 455 CGACCCATGAAGCGCATACCTGGAACACATGGAAGAGCGCGTGGATCCGGGCTGTG 514
Db 21 ArgProMetLysArgIleThrPheSerHisThrLysSerLysLysValIleArgAlaLeu 40
QY 515 GAGACAGAGTGGTATCTACTCTCTCATACACCTATGATGCTGGCCCGGAGGCTC 574
Db 41 GluAsnArgValGlyIleTyrSerProHisThrAlaTyrAspAlaIleProGlnGlyVal 60
QY 575 AACACAGTGTGGCTAAAGGCTT 598
Db 61 AsnAsnTrpLeuAlaLysGlyLeu 68

RESULT 15
AAM06178
ID AAM06178 standard; Protein: 68 AA.
XX
AC AAM06178;
XX
DT 09-OCT-2001 (first entry)
XX
DE Peptide #4860 encoded by probe for measuring breast gene expression.
XX
KW Probe: human; breast disease; breast cancer; development disorder;
KM inflammatory disease; proliferative breast disease; non-carcinoma tumour.
XX
OS Homo sapiens.
XX
PN WO200157270-A2.
XX
PD 09-AUG-2001.
XX
PF 29-JAN-2001; 2001MO-US00661.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
DR WPI; 2001-476286/51.
XX
PT Novel single exon nucleic acid probe used to measuring gene expression
PT in a human breast -
XX
PS Claim 27; SEQ ID NO 14918; 322pp; English.
XX
XX
CC The present invention relates to novel single exon nucleic acid probes
CC (see AAI00010-AA110067). The present sequence is a peptide encoded by one
CC such probe. The probes are useful for measuring human gene expression in
CC a human breast sample, where the probe hybridises at high stringency to a
CC nucleic acid expressed in the human breast. The probes are useful for
CC predicting, diagnosing, grading, staging, monitoring and prognosing
CC diseases of the human breast, particularly those diseases with polygenic
CC aetiology. The diseases include: breast cancer, disorders of development,
CC inflammatory diseases of the breast, fibrocystic changes, proliferative
CC breast disease and non-carcinoma tumours.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 68 AA;
XX
Alignment Scores:
Pred. No.: 7.91e-28 Length: 68
Score: 366.00 Matches: 68
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.12% Indels: 0
DB: 22 Gaps: 0
XX
US-09-745-506-74 (1-1553) x AAM06178 (1-68)
QY 395 ATGGAGAGGAGTGTGCAAAAGAGGAGACCTGATCTCTCTACATCCGCGCTATCTTC 454
Db 1 MetGluGluValIleuGlnLysLysAlaAspLeuIleuSerTyrHisProPhe 20
QY 455 CGACCCATGAAGCGCATACCTGGAACACATGGAAGAGCGCGTGGATCCGGGCTGTG 514
Db 41 GluAsnArgValGlyIleTyrSerProHisThrAlaTyrAspAlaIleProGlnGlyVal 60

Db	21	ArgProMetLysArgIleThrTrpAsnThrTriplysGluArgLeuValIleArgAlaLeu	40
QY	515	GAGAACAGAGTGGTATCTACTCTCCATACAGCCTATGATGCTGGCGCCCGAGGGGCTC	574
Db	41	GluAsnArgValGlyIleTyrSerProHisThrAlaTyrAspAlaAlaProGlnGlyVal	60
QY	575	AACAACTGGTGGCTAAAGGCTT	598
Db	61	AsnAsnTrpLeuAlaLysGlyLeu	68

Search completed: August 22, 2003, 13:59:08
 Job time : 112 secs